Title (en)

Demodulation circuit from FM signals and demodulation system therefor.

Title (de)

FM Demodulationssystem und Schaltungsanordnung dazu.

Title (fr)

Système démodulateur de fréquence et circuit correspondant.

Publication

EP 0135301 A1 19850327 (EN)

Application

EP 84304965 A 19840720

Priority

- JP 13498283 A 19830722
- JP 13498383 A 19830722

Abstract (en)

The demodulation circuit of frequency modulated signals comprises a variable phase shifter (9) supplied with inputted FM signals, a narrow band pass filter (10) having a band width narrower than that of the Curson band for the FM signals, a frequency discriminator (4), a filter (11) allowing to pass specific frequency components among the FM detected signals detected by the frequency discriminator, and a phase adjuster (12) to said frequency components, wherein said inputted FM signals are passed through said variable phase shifter (9) said narrow band pass filter (10) and then FM detected by said frequency discriminator (4), a portion of the detected output signals is passed through said filter (11) allowing to pass the specific frequency components and the phase adjuster (12), thereafter, the phase shifter (9) is controlled by said signals, the phase of the FM signals is controlled by the phase shifter (9) in the direction of compressing the frequency deviation of said specific demodulated frequency components in the FM signals, and detected signals from said frequency discriminator are taken out.

IPC 1-7

H03D 3/00

IPC 8 full level

H03D 3/00 (2006.01)

CPC (source: EP US)

H03D 3/005 (2013.01 - EP US)

Citation (search report)

- [X] EP 0064819 A1 19821117 - OKI ELECTRIC IND CO LTD [JP], et al
- [A] EP 0048661 A1 19820331 - THOMSON CSF [FR]
- [A] US 4101837 A 19780718 - CLAYTON JR LORIMER, et al

Cited by

US6091789A; WO9800906A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0135301 A1 19850327; **EP 0135301 B1 19880302**; AU 3088884 A 19850124; AU 552117 B2 19860522; CA 1223926 A 19870707; DE 3469659 D1 19880407; US 4594556 A 19860610

DOCDB simple family (application)

EP 84304965 A 19840720; AU 3088884 A 19840720; CA 459235 A 19840719; DE 3469659 T 19840720; US 63210584 A 19840718